WORK INSTRUCTION

Title: Replacement of ICV/OCV Upper & Lower Main O-Rings, ICV Wiper O-Ring, OCA Fiber Gasket, and ICV Lid Debris Shield

Instruction No. CH.02 Rev. 0.3, February 2006 Page 1 of 3

Approved for Use by: Michael R. Brown Effective Date: February 2006

Applicable Drawings:

- 1. 2077-500SNP (Sheets 1-11) TRUPACT-II Packaging SARP Drawings
- 2. 707 SAR (Sheets 1-12) HalfPACT Packaging SARP Drawings

SARP Requirements:

- Chapters 7.0 and 8.0
 - Containment boundary O-ring seals, wiper O-ring seal, and ICV lid debris shield shall be replaced annually and if unable to perform their intended functions.
 - Noncontainment boundary O-ring seals and handling O-rings shall be replaced if unable to perform their intended function.

Tools Required:

- Adhesive applicator (caulking gun)
- Stiff blade scraper
- Lead wire seal crimper
- Scissors

Spare Parts Required:

• The spare parts are identified in the Work Instruction steps. All spare parts listed are controlled and shall be recorded on the Maintenance Record.

Materials Required:

- Vacuum grease
- RTV silicone adhesive, Dow Corning 732 or equivalent
- Denatured alcohol or equivalent
- Lint-free rags
- Metal tags ("Leak Test Required") (PN 2077-02013)
- Lead wire seals (PN 2077-02012)

Safety Requirements:

Safety will be observed in accordance with site requirements.

Prerequisite Conditions:

- The O-ring or gasket to be replaced has been removed and discarded.
- O-ring grooves have been cleaned, inspected, or repaired as necessary.

Instruction No. CH.02	Rev. 0.3, February 2006	Page 2 of 3
 The spare parts listed the approved spare pa The replacement of the This instruction is not 	nt to replace components in sequence below shall be replaced with like-formers supply. The session is seen as the session of	-like components from Maintenance Record. ntenance Record but
☐ ICV lower main O-ring s☐ ICV upper main O-ring s☐ OCV lower main O-ring		0-19) PO# 0-09) PO# 0-24) PO#
Note: O-rings are consid	D-ring grooves using alcohol and lint lered clean when they are absent of s, and other foreign matter.	-
people, with one person drawing the O-ring through are coated. One table 4.0 Install the lubricated Ocircumference of the guidant of the second of the secon	with vacuum grease. This step usu on holding the O-ring above the floor ough the palm of the hand until all su espoon of grease is sufficient to coat o-ring into the groove ensuring it is so	r and the other person urfaces of the O-ring the O-ring. eated around the entire nent (helium) Leakage Record. quired" tag to the vent in indelible ink on the
	eakage Rate Test is not required for ain O-ring replacement.	wiper O-ring and

Ins	truction No. CH.02	Rev. 0.3, February 2006	Page 3 of 3
	CV debris shield	(PN 2077-18	80-25) PO#
Not	te: Sections of the deb	oris shield may be replaced as nee	eded.
2.0	Thoroughly clean the IC tape and residue.	eld being replaced and discard. OV lid groove using alcohol and lin nt debris shield as follows:	t-free rags to remove
	 If debris shield doe 	pre-applied adhesive, then go to es not have pre-applied adhesive, double-sided tape (2077-180-26)	then prepare debris
5.0	Remove backing from a Install debris shield in g Ensure debris shield is		ce of the lid groove.
	Ceramic fiber gasket	(PN 2077-	160-27) PO#
Not	te: If a section of the good the damaged s		•
2.0	Thoroughly remove any rags.	using a stiff blade scraper. v adhesive residue using scraper,	alcohol, and lint-free
	Trim gasket as needed. Apply adhesive using the replaced/repaired gasket	ne applicator, and spread to the ful	ll width and length of the
5.0		place, ensuring gasket adhesion and/or lower Z-flange, as applicable	
6.0	minimum of six hours cor OCA lid. For all other	brand Clear RTV Silicone Adhesione time prior to installation of locker adhesives, allow adhesive to cubendations prior to reassembly.	king Z-flange (WI-CH.07)
Ver	rification Requirements:		
2.0 3.0	Helium leak test docum If the helium leak test h to the packaging and is	sted on the Maintenance Record. entation is attached to the Maintenance Record, a "Leak Test Record annotated on the Maintenance Record to the Maintenance Record.	equired" tag is attached
		d on the Maintenance Record. d on the Maintenance Record.	